



U.S. Department
of Transportation

400 Seventh Street, S.W.
Washington, D.C. 20590

**Pipeline and Hazardous
Materials Safety Administration**

SPECIAL PERMIT AUTHORIZATION

DOT-SP 13133

EXPIRATION DATE: May 31, 2010

GRANTEE: Department of Energy
Albuquerque, NM

In response to your May 18, 2006 application for renewal of DOT-SP 13133, the grantee status to DOT-SP 13133 for Department of Energy is hereby renewed in accordance with 49 CFR § 107.109.

Copies of this special permit may be obtained by accessing the Hazardous Materials Safety Homepage at http://hazmat.dot.gov/sp_app/special_permits/spec_perm_index.htm. Photo reproductions and legible reductions of this special permit are permitted. Any alteration of this special permit is prohibited.

If you have questions regarding this action please call the Office of Hazardous Materials Special Permits and Approvals at (202) 366-4535.

Issued in Washington D.C. on **June 13, 2006.**

for Robert A. McGuire
Associate Administrator
for Hazardous Materials Safety

June 13, 2006



U.S. Department
of Transportation

400 Seventh Street, S.W.
Washington, D.C. 20590

**Pipeline and
Hazardous Materials
Safety Administration**

DOT-SP 13133
(FIFTH REVISION)

(FOR RENEWAL, SEE 49 CFR § 107.109)

1. GRANTEE: (See individual authorization letter)
2. PURPOSE AND LIMITATION:
 - a. This special permit authorizes the transportation in commerce of not more than 25 grams of explosive or pyrotechnic material that has energy density not greater than that of pentaerythritol tetranitrate (PETN), classed as Division 1.4E when packed in a special shipping container. This special permit provides no relief from the Hazardous Materials Regulations (HMR) other than as specifically stated herein.
 - b. The safety analyses performed in development of this special permit only considered the hazards and risks associated with transportation in commerce.
 - c. This special permit is limited to use for US government purposes.
 - d. Unless otherwise stated herein, this special permit consists of the special permit authorization letter issued to the grantee together with this document.
3. REGULATORY SYSTEM AFFECTED: 49 CFR Parts 106, 107 and 171-180.
4. REGULATIONS FROM WHICH EXEMPTED: 49 CFR § 172.320 in that the EX number need not be marked on the package, §§ 173.54(a), (e), (j), and (l) in that explosives defined as forbidden under these paragraphs may be transported in accordance with terms of this special permit, §§ 173.56(b), 173.57 and 173.58, in that a new explosive need not be examined and tested prior to transportation and §§ 173.60 and 173.62 in that an alternate packing method is authorized.

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5. BASIS: This special permit is based on the application of the Department of Energy dated May 19, 2006, submitted in accordance with § 107.109.
6. HAZARDOUS MATERIALS (49 CFR § 172.101):

Hazardous materials description			
Proper Shipping Name	Hazard Class/ Division	Identification Number	Packing Group
Articles, explosive, n.o.s.(*).	1.4E	UN0471	II

* Technical name of material being shipped

7. SAFETY CONTROL MEASURES:

a. Explosives (including pyrotechnics, articles containing explosives, and waste containing explosives) authorized for transportation under the terms of this special permit must meet the following conditions:

(1) Explosives are limited to samples for evaluations or testings. Only explosives having an energy density not greater than that of PETN are authorized.

(2) No more than 25 grams of liquid or solid explosive substances or articles containing no more than 25 grams (net weight) of explosive may be transported in one package.

(3) Prior to first transport, new explosive substances must be tested and pass the UN Test Series 3 tests for Impact, Thermal, Friction, and Small Scale Burning sensitivities in accordance with TB-700-2, Department of Defense Ammunition and Explosives Hazard Classification Procedures, unless closely analogous to explosive substances which have been previously tested by the DOE and found to meet the UN Test Series criteria or for which comparable UN Test Series 3 data can be found in technical publications.

(4) An explosive article forbidden under § 173.54(1) must have its means of initiation or ignition protected against accidental functioning during transportation.

(5) The explosives authorized for transportation under this special permit must be transported exclusively for US Government purposes.

b. Packing methods authorized:

(1) Inner packaging:

(i) Solid explosive must be placed in a leak-proof receptacle.

(ii) Liquid explosive must be placed in a 60-milliliter capacity leak-proof glass bottle with threaded plastic lid. The glass bottle must then be wrapped in absorbent material and placed into a one-quart metal paint can fitted with a lid which is closed tight with a ring lock. Sufficient absorbent must be used to prevent movement of the glass bottle inside the metal can.

(iii) Small explosive articles shall be placed in fiberboard or plastic receptacles with sufficient dunnage to prevent movement in the intermediate packaging. Larger explosive articles shall be wrapped in fiberboard or expanded plastic foam or bubble-wrap sheeting to prevent movement in the intermediate packaging.

Inner packaging must be placed in the Intermediate packaging with cushioning material or the material so the inner packaging is located in the center of the intermediate packaging to keep the inner packaging away from the side walls and ends of the capped intermediate packaging.

(2) Intermediate packaging: The following intermediate packagings are authorized:

(i) A 4-inch X 14-inch Schedule 80 seamless steel pipe nipple closed at both ends with 4-inch diameter forged steel end caps, 3,000 psi per ASTM 105, or other caps which have been shown by test to contain the explosive effect of 25 grams of PETN, or

(ii) A 6-inch X 12 to 14-inch Schedule 80 seamless steel pipe nipple closed at both ends with 6-inch diameter malleable iron end caps with a minimum strength of 250 psi, or other caps which have been shown by test to contain the explosive effect of 25 grams of PETN.

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For pipe nipples described in paragraphs 7.b.(2)(i) and (ii), the threads must be cut so that the end caps can be screwed on a minimum of 5 threads by hand, but the caps must be tightened with a wrench.

(3) Outer packaging: intermediate packaging must be placed in one of the following outer packagings with sufficient cushioning material or other means to prevent movement of the intermediate packaging.

(i) A cushioned UN 4G fiberboard box, 4C wooden box, 4D plywood box;

(ii) A 4A steel box, 4B aluminum box, 4N metal (other than steel or aluminum) box;

(iii) A 1A2 removable head steel drum, 1B2 removable head aluminum drum, or 1N2 removable head metal (other than steel or aluminum) drum; or

(iv) A container that meets the requirements of the Institute of Makers of Explosives' Safety Library Publication No. 22.

8. SPECIAL PROVISIONS:

a. A current copy of this special permit must be maintained at each facility where the package is offered or reoffered for transportation.

b. Packagings permanently marked 'DOT-E 13133', prior to October 1, 2007 may continue to be used under this special permit for the remaining service life of the packaging or until the special permit is no longer valid. Packagings marked on or after October 1, 2007 must be marked 'DOT-SP 13133'.

c. Shipping papers displaying 'DOT-E 13133' may continue to be used until October 1, 2007, provided the special permit remains valid.

9. MODES OF TRANSPORTATION AUTHORIZED: Motor vehicle and cargo aircraft only.

10. MODAL REQUIREMENTS: A current copy of the special permit must be carried aboard each aircraft or motor vehicle used to transport packages covered by this special permit. The shipper must furnish a current copy of this special permit to the air carrier before or at the time the shipment is tendered.

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11. COMPLIANCE: Failure by a person to comply with any of the following may result in suspension or revocation of this special permit and penalties prescribed by the Federal hazardous materials transportation law, 49 U.S.C. 5101 et seq:

- o All terms and conditions prescribed in this special permit and the Hazardous Materials Regulations, 49 CFR Parts 171-180.
- o Persons operating under the terms of this special permit must comply with the security plan requirement in Subpart I of Part 172 of the HMR, when applicable.
- o Registration required by 49 CFR 107.601 et seq., when applicable.

Each "Hazmat employee", as defined in § 171.8 who performs a function subject to this special permit must receive training on the requirements and conditions of this special permit in addition to the training required by §§ 172.700 through 172.704.

No person may use or apply this special permit, including display of its number, when the special permit has expired or is otherwise no longer in effect.

Under Title VII of the Safe, Accountable, Flexible, Efficient Transportation Equity Act: A Legacy for Users (SAFETEA-LU)- 'The Hazardous Materials Safety and Security Reauthorization Act of 2005' (Pub. L. 109-59), 119 Stat. 1144 (August 10, 2005), amended the Federal hazardous materials transportation law by changing the term 'exemption' to 'special permit' and authorizes a special permit to be granted up to two years for new special permits and up to four years for renewals.

12. REPORTING REQUIREMENTS: Shipments or operations conducted under this special permit are subject to the Hazardous Materials Incident Reporting requirements specified in 49 CFR §§ 171.15 - Immediate notice of certain hazardous materials incidents, and 171.16 - Detailed hazardous materials incident reports. In addition, the grantee(s) of this special permit must notify the Associate Administrator for Hazardous Materials Safety -- OHMSPA, in writing, of any incident involving a package, shipment or operation conducted under terms of this special permit.

Issued in Washington, D.C.:

A handwritten signature in blue ink, appearing to read "R. Ryan Taylor", is written over a faint circular stamp.

for Robert A. McGuire
Associate Administrator
for Hazardous Materials Safety

Address all inquiries to: Associate Administrator for Hazardous
Materials Safety, Pipeline and Hazardous Materials Safety
Administration, Department of Transportation, Washington, D.C.
20590. Attention: PHH-31.

Copies of this special permit may be obtained by accessing the
Hazardous Materials safety Homepage at
http://hazmat.dot.gov/sp_app/special_permits/spec_perm_index.htm
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PO: AM



U.S. Department
of Transportation

400 Seventh Street, S.W.
Washington, D.C. 20590

**Research and
Special Programs
Administration**

APPROVAL CA2002100010

ISSUED BY THE COMPETENT AUTHORITY OF THE UNITED STATES

EXPIRATION DATE: SEE DOT-E 13133

1. **APPROVAL HOLDER:** **U.S. Department of Energy**
P.O. Box 5400
Albuquerque, NM 87185-5400
2. **REGULATORY AUTHORITY:** Part 1; Chapter 1, paragraph 1.1.2
of the International Civil Aviation Organization's
Technical Instructions for the Safe Transport of Dangerous
Goods by Air (ICAO TI).
3. **SYNOPSIS:** This approval authorizes the transportation of no
more than 25 grams of explosive or pyrotechnic material per
package that conforms with the requirements of the United
States Department of Transportation's exemption
DOT-E 13133.
4. **BASIS:** This approval is issued in response to the U.S.
Department of Energy's application dated September 30,
2002 and additional information dated November 15, 2002 and
October 14, 2004.
5. **PERIOD OF VALIDITY AND CONDITIONS OF APPROVAL:** This
approval does not provide relief from any requirements of
the Hazardous Materials Regulations, or the ICAO TI except
as stated herein. This approval is valid until the
expiration date of DOT-E 13133 or unless terminated by the
Associate Administrator for Hazardous Materials Safety.
 - a. **Approved Material(s):**

Proper shipping name, Hazard class or division, and
Identification number: Articles, explosive, n.o.s., 1.4E,
UN0471, PG II.
 - b. **Packaging:** Packaging prescribed is a special shipping
container conforming with the requirements of DOT-E 13133.

6. **SPECIAL PROVISIONS:**

a. A copy of this approval and DOT-E 13133 must accompany the shipment made under the terms of this approval.

b. This approval in no way affects the need to obtain any required authorizations from other agencies of the United States Government or from the competent authorities of the countries of transit and destination.

c. This approval is only valid for shipments aboard cargo aircraft only.

d. All requirements of DOT-E 13133 must be met.

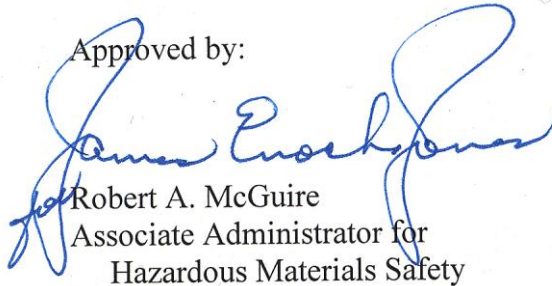
7. **GENERAL PROVISIONS:**

a. Failure by any person to comply with the terms and conditions of this approval and the Hazardous Materials Regulations, 49 CFR Parts 171-180 or the ICAO TI may result in the modification, suspension or termination of that person's authority to use this approval. Failure to comply may also subject that person to penalties prescribed by 49 U.S.C. §§ 5123 and 5124. This approval may be modified, suspended or terminated in its entirety if that action is justified in light of changes in circumstances or additional information not available when this approval was issued. Unless immediate modification, suspension or termination is necessary to avoid a risk of significant harm to persons or property, before action is taken, that person will be notified and provided with an opportunity to show why the proposed action should not be taken.

b. Each "Hazmat employee", as defined in § 171.8, who performs a function subject to this approval must be provided training on the requirements and conditions of this approval in addition to the training required by §§ 172.700 through 172.704.

Issued in Washington, D.C.

Approved by:



Robert A. McGuire
Associate Administrator for
Hazardous Materials Safety

Dated:

November 16, 2004

Address all inquiries to: Associate Administrator for Hazardous Materials Safety, Research and Special Programs Administration, Department of Transportation, Washington, D.C. 20590.
Attention: DHM-32.